

ALLOWED CLAIMS

42. A composition consisting of:

- (a) pentafluoroethane in an amount of from 62% to 67% by weight based on the weight of the composition,
- (b) 1,1,1,2-tetrafluoroethane in an amount of from 26% to 36% by weight based on the weight of the composition, and
- (c) isobutane in an amount from 3% to 4% by weight based on the weight of the composition.

43. A composition consisting of:

- (a) pentafluoroethane in an amount of from 62% to 67% by weight based on the weight of the composition,
- (b) 1,1,1,2-tetrafluoroethane in an amount of from 26% to 36% by weight based on the weight of the composition,
- (c) isobutane in an amount from 3% to 4% by weight based on the weight of the composition, and
- (d) a lubricant selected from the group consisting of mineral oils, alkylbenzene lubricants, synthetic lubricants, and fluorinated oils and mixtures thereof.

44. A composition consisting of:

- (a) pentafluoroethane in an amount of from 62% to 67% by weight based on the weight of the composition,

- (b) 1,1,1,2-tetrafluoroethane in an amount of from 26% to 36% by weight based on the weight of the composition,
- (c) isobutane in an amount from 3% to 4% by weight based on the weight of the composition,
- (d) a lubricant selected from the group consisting of mineral oils, alkylbenzene lubricants, synthetic lubricants, and fluorinated oils and mixtures thereof, and
- (e) an additive selected from the group consisting of extreme pressure, antiwear improvers, oxidation inhibitors, thermal stability improvers, corrosion inhibitors improvers, viscosity index improvers, pour point depressants, detergents, anti-foaming agents, and viscosity adjusters.

45. A composition, consisting of:

- (a) pentafluoroethane in an amount of from 62% to 67% by weight based on the weight of the composition,
- (b) 1,1,1,2-tetrafluoroethane in an amount of from 26% to 36% by weight based on the weight of the composition,
- (c) isobutane in an amount from 3% to 4% by weight based on the weight of the composition, and
- (d) an additive selected from the group consisting of extreme pressure, antiwear improvers, oxidation inhibitors, thermal stability improvers, corrosion inhibitors improvers, viscosity index improvers, pour point depressants, detergents, anti-foaming agents, and viscosity adjusters.

46. A composition according to Claim 42, wherein the isobutane is an amount from 3.5% by weight based on the weight of the composition.

47. A composition according to claim 43 in which component (c) is present in an amount of about 3.5% by weight based on the weight of the composition.

48. A composition according to claim 42 in which component (a) is present in an amount above 64% up to 66% by weight based on the weight of the composition.

49. A composition according to claim 42 in which component (b) is present in an amount about 28% to about 32% by weight based on the weight of the composition.

50. A refrigeration apparatus containing, as refrigerant, a composition as claimed in claim 42.

51. A refrigeration apparatus containing, as refrigerant, a composition as claimed in claim 43.

52. A composition according to Claim 42 wherein the component (a) is 64.9 weight %, component, component (b) is 31.7 weight %, and component (c) is 3.4 weight %.

53. A composition according to Claim 43, wherein the lubricant is selected from the group comprising naphthenic oils, paraffin oils, and silicone oils, polyol esters, polyalkyleneglycols, polyoxypropylene glycols, fluorinated oils and mixtures thereof.